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CLAIMS

2 What is Claimed is:

3 1. A computer security system for a computer operatively connected to a data
4 generation device, wherein the data generation device generates an input signal which
5 is received by the computer when connected to the data generation device, the security
6 system comprising, in combination:7 a user interface which generates an output signal;
8 a networking device which receives the input signal from the data generation

9 device when connected with the data generation device; and

10 a positive disconnect device which selectively prevents operative connection
11 between the networking device and the data generation device when the output signal
12 corresponds to a preselected period of inactivity of the user interface.

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14 2. The computer security system of claim 1 wherein the positive disconnect device
15 is positioned between the networking device and a data transmission device which
16 transmits and receives the input signal and the output signal.

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18 3. The computer security system of claim 2 wherein the data transmission device is
19 a cable modem.

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21 4. The computer security system of claim 2 wherein the data transmission device is
22 a digital subscriber line modem.

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1 5. The computer security system of claim 1 wherein the positive disconnect device
2 is an add-on component attached to the computer so as to be communicatively
3 connected to the networking device and the data generation device.

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5 6. The computer security system of claim 1 further comprising a motherboard
6 controlling several functions of the computer, and the positive disconnect device is
7 integrated into the motherboard.

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9 7. The computer security system of claim 1 wherein the positive disconnect device
10 is incorporated into the networking device.

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12 8. The computer security system of claim 1 wherein the positive disconnect device
13 is incorporated into the data transmission device.

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15 9. The computer security system of claim 1 wherein the networking device is a
16 network interface card.

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18 10. The computer security system of claim 1 wherein the output signal comprises
19 information about activity of the user interface, as well as instructions to be sent to the
20 data generation device.

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22 11. The computer security system of claim 1 further comprising screen saver
23 software which changes an image on a monitor after the preselected period of inactivity

1 at the user interface so that the image on the monitor is changed at about the same
2 time the connection to the data generation device is prevented.

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4 12. A computer security system which communicatively isolates a computer from a
5 data transmission device operatively connected to the Internet, comprising, in
6 combination:

7 a user interface which generates an output signal;
8 a networking device in communication with the data transmission device, wherein
9 the networking device transmits the output signal from the user interface and receives
10 an input signal from the Internet through the data transmission device; and
11 a positive disconnect device which selectively prevents communication between
12 the networking device and the data transmission device when the output signal
13 corresponds to a preselected period of inactivity at the user interface.

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15 13. The computer security system of claim 12 wherein the input signal comprises a
16 number of signals, and the positive disconnect device comprises a series of relays, with
17 the number of relays corresponding to the number of signals.

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19 14. The computer security system of claim 12 wherein the positive disconnect device
20 comprises at least one relay which in response to a control voltage is shiftable from an
21 open position to a closed condition, and in response to the output signal corresponding
22 to the preselected period of inactivity at the user interface, the control voltage is

1 removed and communication between the networking device and the data transmission
2 device is prevented.

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4 15. The computer security system of claim 12 wherein the positive disconnect device
5 comprises a series of electronic relays and the output signal is a preselected period of
6 inactivity in an Internet connection command in the user interface.

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8 16. The computer security system of claim 12 wherein the user interface comprises a
9 keyboard and a mouse.

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11 17. The computer security system of claim 12 wherein the positive disconnect device
12 is a plug-in attachment which can be operatively connected to a computer.